

Title (en)
Printing apparatus and recording solution

Title (de)
Druckgerät und Aufzeichnungslösung

Title (fr)
Appareil d'impression et solution d'enregistrement

Publication
EP 0739956 A3 19980318 (EN)

Application
EP 96106653 A 19960426

Priority
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Abstract (en)
[origin: EP0739956A2] A printing apparatus in which metered amounts of an ink and a diluting solution are mixed and the resulting mixed liquid is ejected to a recording medium for printing. Specifically, the ink and the dilution liquid at least containing a water-soluble organic solvent are mixed together in respective metered amounts and the resulting liquid mixture is ejected to the recording medium. The water-soluble organic solvent desirably contains the aliphatic monohydric alcohol, a polyhydric alcohol or its derivatives. The dilution liquid may contain a non-water-soluble organic solvent or a dispersion medium composed of water and a non-water-soluble resin. An OH-group containing resin and a cross-linking agent are desirably contained in the non-water-soluble resin. Ink fixing properties for a picture recorded by discharging the liquid mixture of the ink and the dilution liquid may be improved, while suppression of bleeding in the picture and improved discharging stability are also achieved. <IMAGE>

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C09D 11/00; **B41J 2/01**

IPC 8 full level
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Citation (search report)
• [XY] EP 0538147 A2 19930421 - SONY CORP [JP]
• [A] EP 0642924 A2 19950315 - MATTHEWS INT CORP [US]
• [YA] PATENT ABSTRACTS OF JAPAN vol. 017, no. 391 (C - 1087) 22 July 1993 (1993-07-22)
• [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 094 (C - 105) 2 June 1982 (1982-06-02)
• [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 263 (C - 514) 22 July 1988 (1988-07-22)

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